

## TRI FORM R REPORTS

As a result of the TRI Reporting Forms Modification Rule, beginning in reporting year 2005, the Toxics Release Inventory Program is no longer collecting latitude and longitude data or EPA program ID data (including Resource Conservation and Recovery Act (RCRA) IDs, National Pollutant Discharge Elimination System (NPDES) IDs and Underground Injection Code (UIC) IDs) via the FORM R or FORM A Certification Statement. However, this data will still be made available to TRI data users and will be included in TRI data Reports. For those Reports, this data will be obtained from the Facility Registry System (FRS). Latitude and longitude coordinates used to represent TRI facilities are chosen from the FRS using the "Pick Best" Process. Primary permitting systems supply FRS with the program IDs that are used to represent TRI facilities. The FRS data that are being used to represent this facility are:

<u>Reference Point/Description</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Collection Method</u>	<u>Accuracy Value</u>
CENTER OF FACILITY	N/A	N/A	INTERPOLATION- PHOTO	9

### RCRA ID Numbers

NO DATA

### NPDES Permit Numbers


NO DATA

### Underground Injection Well Code (UIC) ID Numbers

NO DATA

To correct the FRS latitude, longitude or program ID values click on the "Report an Error" button in the top right corner of this page. Facilities wishing to correct other data elements with the FORM R or FORM A should refer to How to Revise TRI Data.

For more information, see Collection of Latitude, Longitude and Program ID Data Has Been Discontinued.

**PART I. FACILITY IDENTIFICATION INFORMATION (FORM R)**DOCUMENT CONTROL NUMBER: 1314212692483 Facility Registry System ID: 110022921819**Section 1. Reporting Year**Reporting Year: 2014**Section 2. Trade Secret Information**2.1 Trade Secret: NO2.2 Sanitized Copy: Unsanitized**Section 3. Certification**

<u>CERTIFYING OFFICIAL'S NAME</u>	<u>CERTIFYING OFFICIAL'S TITLE</u>	<u>CERTIFYING OFFICIAL'S SIGNATURE</u>	<u>DATE SIGNED</u>
KRISTEN MARIUZZA	MANAGER - ENVIRONMENT, HEALTH & SAFETY	Electronic	25-JUN-15

**Section 4. Facility Identification**TRI Facility ID: 4986WRTNTG651TR**4.1 Facility Name and Address.****Facility Information**

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE</u>	<u>ZIP CODE</u>
EAGLE MINE	6510 TRIPLE A RD	MICHIGAMME	MARQUETTE	MI	49861

**BIA Tribal Code   Tribe**

NO DATA   NO DATA

**Mailing Information**

<u>NAME</u>	<u>STREET</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP CODE</u>
EAGLE MINE	4547 COUNTY RD 601	CHAMPION	MI	49814

<u>PROVINCE</u>	<u>COUNTRY (NON - US)</u>
NO DATA	NO DATA

#### 4.2 Facility Classification

<u>ENTIRE FACILITY</u>	<u>PARTIAL FACILITY</u>	<u>FEDERAL FACILITY</u>	<u>GOCO FACILITY</u>
YES	NO	NO	NO

#### 4.3 Technical Contact

<u>NAME</u>	<u>PHONE</u>	<u>PHONE EXT.</u>	<u>EMAIL</u>
AMANDA ZEIDLER	9063397000		AMANDA.ZEIDLER@LUNDINMINING.COM

#### 4.4 Public Contact

<u>NAME</u>	<u>PHONE</u>	<u>EMAIL</u>
KRISTEN MARIUZZA	9063397000	KRISTEN.MARIUZZA@LUNDINMINING.COM

#### 4.5 NAICS Codes

<u>NAICS CODE</u>	<u>PRIMARY</u>	<u>NAICS CODE DESCRIPTION</u>
212234	YES	Copper Ore and Nickel Ore Mining

#### 4.7 Dun & Bradstreet Numbers

<u>DUNS NUMBER</u>
NA

#### 5 Parent Company Information

Parent Company Name: No US Parent Company

Parent Company DUNS Number: NA

## PART II. CHEMICAL - SPECIFIC INFORMATION

DOCUMENT CONTROL NUMBER: 1314212692483

### Section 1. Toxic Chemical Identity

1.1 CAS Number: N458

1.2 Toxic Chemical or Chemical Category Name: **MERCURY COMPOUNDS**

1.3 Generic Chemical Name: NA

1.4 Distribution of Each Member of the Dioxin and Dioxin like Compounds Category

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO																	

## Section 2. Mixture Component Identity

2.1 Supplier Provided Generic Chemical Name: NA

## Section 3. Activities and Uses of the Toxic Chemical

3.1 Manufacture the Toxic Chemical:

Produce: NO      Import: NO      On-Site Use/Processing: NO  
Sale/Distribution: NO   Byproduct: NO   Impurity: NO

3.2 Process the Toxic Chemical:

Reactant:      Formulation Component:      Article Component:      Repackaging:      Impurity:  
 NO              NO                              NO                              NO                              NO

3.3 Otherwise Use the Toxic Chemical:

Chemical Processing Aid: NO   Manufacturing Aid: NO   Ancillary or Other Use: YES

## Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 0 to 99

## Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 Fugitive or Non-Point Air Emissions

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E1 - Emission Factor, Published

5.2 Stack or Point Air Emissions

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	0	Pounds	E1 - Emission Factor, Published

### 5.3 Discharges to Receiving Streams or Water Bodies

<u>NA</u>	<u>STREAM/WATER BODY NAME</u>	<u>REACH Code</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>	<u>% FROM STORMWATER</u>
YES	NA					

### 5.4-5.5 Disposal to Land Onsite

#### 5.4.1 Underground Injection Onsite to Class I Wells.

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
YES			

#### 5.4.2 Underground Injection Onsite to Class II-V Wells.

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
YES			

### 5.5 Disposal to Land Onsite

#### 5.5.1A RCRA Subtitle C Landfills

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
YES			

#### 5.5.1B Other Landfills

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
YES			

#### 5.5.2 Land Treatment/Application Farming

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
NO	0	Pounds	M2 - Monitoring, Periodic/Random

#### 5.5.3A RCRA Subtitle C Surface Impoundments

<u>NA</u>	<u>TOTAL RELEASE (per year)</u>	<u>UNIT OF MEASURE</u>	<u>BASIS OF ESTIMATE</u>
YES			

**5.5.3B Other Surface Impoundments**

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
YES			

**5.5.4 Other Disposal**

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	40.5	Pounds	O - Other Approaches

**Section 6. Transfers of the Toxic Chemical in Wastes to Off-Site Locations****6.1 Discharges to Publicly Owned Treatment Works (POTWs)**

0- POTW NAME: NO DATA	ADDRESS: NO DATA
CITY: NO DATA	STATE: NO DATA
COUNTY: NO DATA	ZIP CODE: NO DATA

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO DATA		NO DATA

**6.2 Transfers to other Off-Site Locations****6.2.1 RCRA Number: NA**

Name: MARQUETTE COUNTY SOLID WASTE  
MANAGEMENT AUTHORITY

City: MARQUETTE

County: MARQUETTE

Country Code (Non - US):

Parent Company Controlled:  
NO

Address: 600 COUNTY  
ROAD NP

State: MI

Zip Code: 49855

Province:

TOTAL TRANSFERS (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	WASTE MANAGEMENT TYPE
0	Pounds	M2 - Monitoring, Periodic/Random	M64 - Other Landfills
			P91 - Other Landfills

**Section 7A. On-Site Waste Treatment Methods and Efficiency****7A.1a. Waste Stream: GASEOUS**

**7A.1b. WASTE TREATMENT METHOD(S) SEQUENCE**

<b>1</b>	A06 - MECHANICAL SEPARATION
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**7A.1d. Waste Treatment Efficiency Estimate:** Greater than 95% but less than or equal to 99%

**7A.2a. Waste Stream:** WASTEWATER

**7A.2b. WASTE TREATMENT METHOD(S) SEQUENCE**

<b>1</b>	H071 - Chemical reduction with or without precipitation
<b>2</b>	H123 - Settling or clarification
<b>3</b>	H075 - Chemical oxidation
<b>4</b>	H082 - Adsorption
<b>5</b>	H101 - Sludge treatment and/or dewatering
<b>6</b>	H122 - Evaporation
<b>7</b>	H123 - Settling or clarification
<b>8</b>	H129 - Other treatment

**7A.2d. Waste Treatment Efficiency Estimate:** Greater than 99% but less than or equal to 99.99%

**Section 7B. On-Site Energy Recovery Processes****ON SITE ENERGY RECOVERY PROCESSES**

NA

**Section 7C. On-Site Recycling Processes****ON SITE RECYCLING PROCESSES**

NA

**Section 8. Source Reduction and Recycling Activities**

<b>SECTION</b>	<b>TYPE OF QUANTITY</b>	<b>UNITS</b>	<b>PRIOR YEAR</b>	<b>CURRENT REPORTING YEAR</b>	<b>FOLLOWING YEAR</b>	<b>SECOND FOLLOWING YEAR</b>
<b>8.1a</b>	Total on-site disposal to Class I Underground Injection		NA	NA	NA	NA

	Wells, RCRA Subtitle C landfills, and other landfills					
<b>8.1b</b>	Total other on-site disposal or other releases	Pounds	NA	40.5	70	65
<b>8.1c</b>	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	Pounds	NA	0	.5	.3
<b>8.1d</b>	Total other off-site disposal or other releases		NA	NA	NA	NA
<b>8.2</b>	Quantity Used for Energy Recovery Onsite		NA	NA	NA	NA
<b>8.3</b>	Quantity Used for Energy Recovery Offsite		NA	NA	NA	NA
<b>8.4</b>	Quantity Recycled Onsite		NA	NA	NA	NA
<b>8.5</b>	Quantity Recycled Offsite		NA	NA	NA	NA
<b>8.6</b>	Quantity Treated Onsite		NA	NA	NA	NA
<b>8.7</b>	Quantity Treated Offsite		NA	NA	NA	NA

**8.8** One-Time Event Release: NA

**8.9** Production Ratio ☒ or Activity Ratio ☐ : 2.99

**8.10 Source Reduction Activities**

<u>SOURCE REDUCTION ACTIVITIES</u>	<u>METHOD 1</u>	<u>METHOD 2</u>	<u>METHOD 3</u>	<u>ESTIMATED ANNUAL REDUCTION</u>
NA				

**8.11 Additional Data Indicator: NO****9.1 Miscellaneous, Additional or Optional Information regarding the Form R submission**

PRAI	Production Ratio or Activity Index comment	The facility was only in operation for 6 months in 2013 and was still in the construction/development phase. In 2014, the facility was in operation the entire year and began full production in Q4.
NPYF	No Prior Reporting Year Form DQA comment	During previous reporting periods, only construction and development of the mine were occurring. This is the first year of production at the facility and the first time that the reporting threshold was met for mercury and/or mercury compounds.

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Last updated on Wednesday, November 4th, 2015  
[http://ofmint.rtpnc.epa.gov/enviro/tri\\_formr\\_partone.get\\_thisone](http://ofmint.rtpnc.epa.gov/enviro/tri_formr_partone.get_thisone)

